BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of the work: **Resurve Fund to Emergency Work in Ward No 06 Byatarayanapura Sub Division**

Estimate Cost: 2000000.00

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	1031 - Hire Charges of J.C.B Excavator including Operator and Fuel (P. XXXXVII / I. 23) PWD SR 2013-14	Day							
			60				60		
							60	6720.00	**403200.00**
2	1023 - Hire Charges of Tractor 40 HP including Operator and Fuel (P. XXXXVII / I. 19) PWD SR 2013-14	Day							
			2x90				180		
							180	1296.00	**233280.00**
3	Engaging Causal Labours (Unskilled mazdoor Heavy) (PWD SR 2013-14 Page No. LV)	Nos							
			2X10X90				1800		
							1800	191.81	**345258.00**
4	KSRRB 300-2. Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 152 / Item No. 19.2 / PWD SR 2013-14**	Cum							
	Desilting of Drains								
			2	130.00	0.45	0.30	35.10		
			1	50.00	0.45	0.25	5.63		
			2	110.00	0.45	0.30	29.70		
			2	25.00	0.45	0.35	7.88		
	Berm Cutting								
			2	130.00	1.00	0.20	52.00		
			1	50.00	1.00	0.25	12.50		
			2	110.00	1.00	0.25	55.00		
			2	25.00	1.00	0.25	12.50		
	For Culvert		5	6.50	1.80	1.05	61.43		
	RCC Drain		1	100.00	0.90	0.60	54.00		
							325.73	90.72	**29550.00**
	Basic Rate	84.00							
	Area Weightage @8%	6.72							
	Total	**90.72**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
5	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix M7.5 with OPC cement @ 180 Kgs** using **40mm** and down size graded granite metal, corse aggregates @ 0.85 cum and fine aggregtes @ 0.58cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, **in foundation and plinth**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 **Page No. 12 /Item No. 4.3 PWD SR - 2013-14**	Cum							
	For Culvert		5	6.50	1.80	0.15	8.78		
			1	100.00	0.90	0.15	13.50		
							22.28	4290.84	**95578.00**
	Basic Rate	3973.00							
	Area Weightage @ 8%	317.84							
	Total	**4290.84**							
6	KSRB 5.2-2 : Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6**, stone hammered dressed in courses not less than 20 cms high, bond stones, at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **PWD SR 2013-14 (P. 25 / I. 5.6)**	Cum							
	Culvert		2x5	6.50	0.60	0.90	35.10		
							35.10	3549.96	**124604.00**
	Basic Rate	3287.00							
	Area Weightage @ 8%	262.96							
	Total	**3549.96**							
7	KSRB 15.1.3: Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. **Page No. 122 / Item No. 15.3 / PWD SR 2013-14**	Sqm							
	Culvert		2x5	6.50		0.90	58.50		
							58.50	77.76	**4549.00**
	Basic Rate	72.00							
	Area Weightage @ 8%	5.76							
	Total	**77.76**							
8	KSRB 4-1.6 : Providing and laying in position plain cement concrete of **mix M15 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. **No. 12 / Item No. 4.6 / PWD SR 2013-14**	Cum							
	Culvert Coping		2x5	6.50	0.60	0.10	3.90		
							3.90	4779.00	**18638.00**
	Basic Rate	4425.00							
	Area Weightage @ 8%	354.00							
	Total	**4779.00**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
9	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface** such as **walls at any thickness**, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No.17 / Item**	Sqm							
	For Culvert Covering Slab		5	6.50		0.60	19.50		
			2x5	6.50		0.25	16.25		
			2x5	1.80		0.25	4.50		
			3	100.00		0.60	180.00		
			1	100.00		0.60	60.00		
							280.25	271.08	**75970.00**
	Basic Rate	251.00							
	Area Weightage @ 8%	20.08							
	Total	**271.08**							
10	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459 cum wuth superplastisier @ 3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works **in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, wall** (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.6 **Page No. 13 / Item No. 4.11 PWD SR - 2013-14**	Cum							
	Culvert Covering Slab		5	6.50	1.80	0.25	14.63		
			1	100.00	0.90	0.15	13.50		
			2	100.00	0.15	0.60	18.00		
			1	100.00	0.90	0.10	9.00		
	For Exra Covering Slab		1	26.00	0.90	0.10	2.34		
							57.47	5639.76	**324089.00**
	Basic Rate	5222.00							
	Area Weightage @ 8%	417.76							
	Total	**5639.76**							
11	KSRB 4.9.2 : Providing **T.M.T steel reinforcement for R.C.C** work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **Page No. 19 / Item No. 4.46.2 PWD SR 2013-14**	Qntl							
				0.75	57.47			43.10		
								43.10	7450.92	**321125.00**
	Basic Rate	6899.00							
	Area Weightage 8%	551.92							
	Total	**7450.92**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
12	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
				Vide Item No. 1			**325.73**	72.71	**23682.00**
	Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00								
	Average weight of earth 1.28 tonne / kg for 2X1.28X2.00=5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.141	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	**72.71**							
13	Miscellaneous and other Charges	L/S							**477.00**
								Total	**2000000.00**

(Rs. Twenty Lakhs Only)

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2013-14.
3 This work included under 2013-14 POW Grant.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Technical Sanction for Rs. 20 Lakhs
Twenty Lakhs
P1771
100/13-14, Dt:- 29-10-13
Registered as EE ( ) Subject to conditions contained in enclosed memo No:- Dt:-
AE/JE
EE (BTP.Div.)

ADMINISTRATIVELY SANCTIONED FOR Rs 20.00 lakhs
Rupees Twenty lakhs only.
Under P1771
Registered as EE ( ) No 9
Subject to conditions contained in enclosed memo No JC (Yel) 317/13-14
Dt 29.10.13 Estimate Sanctioned
No
dated 30.10.13 Rs 20.00 lakhs

Joint Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-64.
30/10/13